

Title (en)  
METHOD, APPARATUS AND SYSTEM FOR IDENTITY VALIDITY VERIFICATION

Title (de)  
VERFAHREN, VORRICHTUNG UND SYSTEM ZUR IDENTITÄTSGÜLTIGKEITSPRÜFUNG

Title (fr)  
PROCÉDÉ, APPAREIL ET SYSTÈME DE VÉRIFICATION DE VALIDITÉ D'IDENTITÉ

Publication  
**EP 3525181 A4 20191127 (EN)**

Application  
**EP 17917393 A 20170713**

Priority  
CN 2017092797 W 20170713

Abstract (en)  
[origin: EP3525181A1] Embodiments of the present application provide identity validity verification method, pertaining to the technical field of information security. The identity validity verification method is applied to an electronic terminal and includes: acquiring biometric feature data; generating an electronic private key based on the biometric feature data; and sending the electronic private key to the access control system, such that the access control system carries out identity validity verification based on the electronic private key. According to the present application, a dedicated fingerprint identification device does not need to be arranged at a specific position, and thus fingerprint data of a user does not remain on the fingerprint identification device. In this way, convenient is brought to the user and security is enhanced.

IPC 8 full level  
**G07C 9/00** (2006.01); **G08C 17/02** (2006.01); **H04L 9/32** (2006.01)

CPC (source: EP US)  
**G07C 9/00** (2013.01 - US); **G07C 9/00309** (2013.01 - EP); **G07C 9/00563** (2013.01 - EP); **G07C 9/00817** (2013.01 - EP); **G07C 9/00857** (2013.01 - EP); **G08C 17/02** (2013.01 - EP US); **H04L 9/0847** (2013.01 - US); **H04L 9/0866** (2013.01 - US); **H04L 9/32** (2013.01 - EP US); **H04L 9/3231** (2013.01 - US); **H04W 4/80** (2018.01 - US); **H04W 12/041** (2021.01 - US); **H04W 12/06** (2013.01 - US); **G06F 7/08** (2013.01 - US); **G07C 2009/00412** (2013.01 - EP); **G07C 2009/00825** (2013.01 - EP); **G07C 2209/02** (2013.01 - EP); **G07C 2209/08** (2013.01 - EP)

Citation (search report)  
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• [XAI] KAI XI ET AL: "Handbook of Information and Communication Security, Chapter 7: Bio-Cryptography", 1 January 2010, HANDBOOK OF INFORMATION AND COMMUNICATION SECURITY, SPRINGER, HEIDELBERG [U.A.], PAGE(S) 129 - 157, XP002712673  
• [A] YEVGENIY DODIS ET AL: "Fuzzy Extractors: How to Generate Strong Keys from Biometrics and Other Noisy Data", SIAM JOURNAL ON COMPUTING, vol. 38, no. 1, 1 January 2008 (2008-01-01), pages 97 - 139, XP055422014, DOI: 10.1137/060651380  
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CN110782565A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3525181 A1 20190814; EP 3525181 A4 20191127; EP 3525181 B1 20210421**; CN 109643473 A 20190416; US 10644887 B2 20200505; US 2019260589 A1 20190822; WO 2019010669 A1 20190117

DOCDB simple family (application)  
**EP 17917393 A 20170713**; CN 2017092797 W 20170713; CN 201780000633 A 20170713; US 201916404788 A 20190507